

**LAKE COUNTY
STORMWATER MANAGEMENT COMMISSION**

**2002
ANNUAL REPORT**



**NINE WAYS LEADERSHIP
MADE A DIFFERENCE**





2002 Annual Report

Nine Ways Leadership Made a Difference 4

FY'03 Projects 15

Board of Commissioners

Steve Mountsier, *Chairman*, County Board #17
Diana O'Kelly, *Alternate*

Tom Adams, *Vice Chair*, Village of Green Oaks
John Wagener, *Alternate*

Carol Spielman, *Secretary*, County Board #22
Bob Buhai, *Alternate*

Tim Perry, *Treasurer*, Village of Grayslake
Terese Douglas, *Alternate*

Bonnie Thomson Carter, County Board #5
David Stolman, *Alternate*

Lane Harrison, City of Zion
Howard Bennett, *Alternate*

Steve Harris, Village of Deerfield
Vern Swanson, *Alternate*

Jim Krischke, Village of Lake Zurich
Craig Taylor, *Alternate*

Martha Marks, County Board #21
Peggy Shorts, *Alternate*

Loretta McCarley, County Board #2
Suzi Schmidt, *Alternate*

John Schulien, County Board #13
Al Westerman, *Alternate*

Tom Skinner, Village of Lake Bluff
Bill Hart, *Alternate*

Staff

Ward Miller, AICP, CFM
Executive Director

Sara Agahi, CFM
Watershed Planner

Tim Cook, CFM
Sr. Environmental Inspector

Perry Danler, CFM
Civil Engineer

Bob Gardiner
Permit Engineer

Christine Garner
Sr. Administrative Assistant

Joe Hemielecki, PWS, CFM
Wetland Specialist

Darcy Hertel
Sr. Administrative Assistant

Jeff Laramy
Sr. GIS Analyst

Technical Advisory Committee

Jim Anderson (Vice Chair)
Lake County Forest Preserve District

Curt Cashman
Village of Round Lake Beach

Pete Manhard
Manhard Consulting

Al Giertych
Lake County Public Works

Mike Talbett
Village of Lake Zurich

Pat Bleck
Bleck Engineering

Tom Price
Conservation Design Forum

Anna Manley
Office Manager

Jason Obergfell, P.E., CFM
Watershed Engineer

Minal Steineman, P.E., CFM
Permit Engineer

Susan Vancil, CFM
Public Information Coordinator

Mike Warner, P.E., CFM
Chief Engineer

Patricia Werner, AICP, CFM
Watershed Planner

Glenn Westman, CWS, CFM
Wetland Specialist

Sean Wiedel, CFM
Watershed Planner

Tony Wolff, P.E., CFM
Watershed Engineer

Dave Ziegler
Village of Gurnee

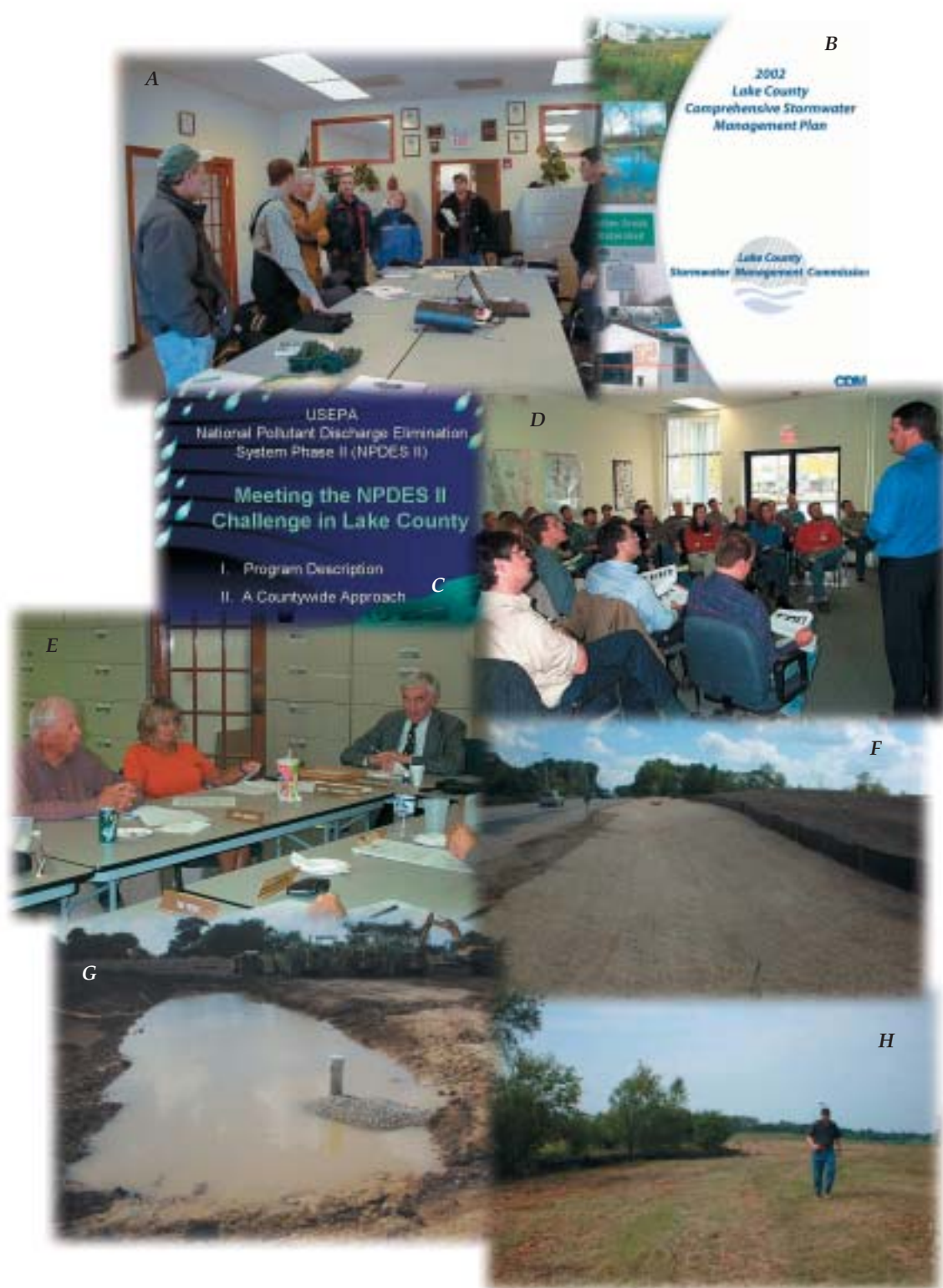
Jeff Mengler
U.S. Fish and Wildlife Service

Gary Schaefer (Chair)
Hey & Associates, Inc.

Vern Swanson
Village of Deerfield

Jon Tack
Lake County Building & Zoning

Kurt Wandrey
Lakewood Homes, Inc.



A) WDO permit applicants meet to cover permit requirements for a new development. The goal of pre-application meetings is to assist the applicant in permit requirements. B) The Lake County Comprehensive Stormwater Management Plan Update will be adopted in early 2003. C) A Power Point presentation was developed for municipalities to educate their board members on NPDES Phase II requirements. D) Wetland professionals gather to share and gain information on wetland issues at SMC's WetPro forums. E) Commissioners Vern Swanson, Bonnie Thomson Carter and Chairman Steve Mountsier discuss FY'03 budget and work program considerations. F) SMC inspectors conducted one-on-one training with two contractors on soil erosion and sediment control practices, like this vegetation blanket along a swale and a ditch check to slow water down. G) A temporary construction sediment basin is one of the many Best Management Practice control measures that can be used to reduce non-point source pollution through the NPDES Phase II regulations to be implemented throughout the county in 2003. H) Wetland specialist Joe Hmielecki uses Global Positioning Satellite (GPS) to delineate a wetland, a service offered to assist in the wetland permitting process.

We looked at the road traveled to map the route ahead

LAKE COUNTY COMPREHENSIVE STORMWATER MANAGEMENT PLAN UPDATE

We went into our 11th year determined to define our vision for the 10 years ahead. A look back at the 1990 Lake County Comprehensive Stormwater Management Plan revealed two truths: Our mission and role in the county is clear; and our programs and services need to expand to mirror the breadth of expertise and service we provide. We looked at our customer's needs and prioritized them. For example, the Stormwater Advisory Committee and our Commission members agreed that we must continue watershed planning for all 26 sub-watersheds, expand our rain and stream gage network and take a leadership role in National Pollutant Discharge Elimination System Phase II (NPDES II) implementation countywide. The economics of these kinds of comprehensive countywide initiatives demand a mix of funding sources. We continue to be successful in using our expertise to leverage cost-share and grant dollars. To execute our future vision we will continue to seek opportunities and partners to create additional dedicated funding streams.

Our look back helped us to see the road ahead.

WORKED THROUGH A STORMWATER ADVISORY COMMITTEE TO REACH
CONSENSUS ON OUR PRIORITIES AND DIRECTION

COMPLETED PEER REVIEW FROM COUNTY, STATE AND FEDERAL AGENCIES,
THE PUBLIC, COMMISSION MEMBERS AND MEMBERS OF THE
COUNTY BOARD

COMP PLAN UPDATE WILL GUIDE OUR WORK PROGRAM OVER
THE NEXT TEN YEARS

ADOPTION EXPECTED IN EARLY 2003

NO. 2

We saw the light

NPDES PHASE II IN LAKE COUNTY

We saw it coming and took the lead. USEPA's Phase II of its National Pollutant Discharge Elimination System (NPDES II) will affect virtually every local government in the county. In 1992 we looked at Phase I guidelines and anticipated this fact. We acted then by including language in the countywide Watershed Development Ordinance (WDO) that addressed reducing nonpoint pollution through permit requirements for stormwater discharges. The net effect of these early efforts was to lay the groundwork for meeting NPDES II requirements at the local level in 2002 and beyond. Since we had existing programs and regulations set up in anticipation of the Phase II requirements, local governments can efficiently meet the demands of NPDES II without significant start up costs.

PROVIDED TECHNICAL ASSISTANCE TO A MUNICIPAL
ADVISORY COMMITTEE WHO WILL HELP GUIDE NPDES II
IMPLEMENTATION IN LAKE COUNTY

UTILIZED OUR WDO AND EXISTING PROGRAMS TO MEET 4 OF THE 6
MINIMUM CONTROL STANDARDS. MUNICIPALITIES CAN RECEIVE "CREDIT"
FOR OUR PROGRAMS

DEVELOPED A POWER POINT PRESENTATION TO INFORM LOCAL
GOVERNING BOARDS OF PHASE II AND HOW IT WILL BE IMPLEMENTED IN
LAKE COUNTY

DEVELOPED A "BEST MANAGEMENT PRACTICES TO REDUCE NONPOINT
SOURCE POLLUTION" WEB PAGE ON OUR WEB SITE

We sang “Happy Anniversary”

WATERSHED DEVELOPMENT ORDINANCE 10 YRS LATER

Ten years ago on October 18, 1992, at a time when Lake County was the ninth fastest growing county in the United States, SMC and the County Board passed the strongest environmental protection ordinance in county history. There were two goals, each with its inherent challenges. First, development expansion had to work in concert with flood reduction. “Balance” would be the key to the county’s on-going economic growth and vitality. At the same time, flood damages had to be decreased but not at the expense of degrading the natural drainage system. That has happened. Look around Lake County in 2002 and evidence of “balance” is all around. The second goal was to create a partnership with the municipalities and the County, not another layer of government. In a world wound tight by red tape, the SMC partnership has become a model. Its presence has created seamless implementation of countywide standards at the local level. Our expertise and leadership has helped create the “balance” necessary to make the county a model for flood reduction and growth.

IMPLEMENTED A CERTIFIED WETLAND SPECIALIST EXAM.
THERE ARE CURRENTLY 60 CWS

IMPLEMENTED A SERIES OF WETLAND PROFESSIONAL (WETPRO) FORUMS FOR
WETLAND PROFESSIONALS TO SHARE AND GATHER INFORMATION ON THE WDO AND
WETLAND RELATED TOPICS

BEGAN UPDATING THE TECHNICAL REFERENCE MANUAL
FIRST WRITTEN IN 1992

CONDUCTED ONE-ON-ONE SOIL EROSION AND SEDIMENT CONTROL TRAINING WITH
TWO CONTRACTOR COMPANIES

COORDINATED WITH DEVELOPER A NEW WETLAND BANK ON DELANEY ROAD AND
APPROVED LAKE COUNTY’S FIRST WETLAND BANK IN THE FOX RIVER WATERSHED

SIGNED AN INTERGOVERNMENTAL COORDINATION AGREEMENT WITH THE U.S. ARMY
CORPS OF ENGINEERS - CHICAGO DISTRICT FOR US TO MAKE WETLAND
JURISDICTIONAL DETERMINATIONS. BY PROVIDING THIS SERVICE, IT SAVES TIME AND
MONEY FOR THE DEVELOPMENT COMMUNITY

CERTIFIED SEVEN COMMUNITIES TO REVIEW AND PERMIT ISOLATED WETLANDS
WITHIN THEIR OWN JURISDICTIONS



A) The Buffalo Creek Restoration project used bio-engineering techniques for water quality and streambank stabilization. B) Our watershed signage program began this year with watershed delineation signs in the Fish Lake Drain, Indian, Squaw and Sequoit Creek watersheds. C) Project partners, elected officials and stakeholders got a first hand look at the challenges and opportunities in the floodprone Upper Des Plaines watershed during a watershed tour in September. D) Riparian landowners in the Dead River watershed received some expert advice during a workshop on Best Management Practices. E) Intern Sam Gillet conducted a detention basin inventory in the Indian Creek and Squaw Creek watersheds this summer. Opportunities for water quality improvements will be identified using the photo and data sheet inventory. F) New sewer pipes were installed as part of the Del Mar Woods flood damage reduction project. G) Seven data-logging stream gages, like this one on Eagle Creek, were donated by Baxter Healthcare to monitor water levels. H) This high quality vernal pool is part of an inventory of preservation opportunities using EPA grant funds.

We are planning for the future by acting now

STAKEHOLDERS UNITE

Now is the time. One of the priorities of the Comp Plan Update is completion of watershed management plans for the 26 sub-watersheds in the county. In 2002, four watershed-planning initiatives continued through the active participation of the stakeholders. The Squaw Creek, Sequoit Creek, Indian Creek and Fish Lake Drain stakeholders reached consensus on goals and objectives and are working to finalize watershed management action plans. Our work on behalf of these priority watersheds is crucial to their endurance. The sooner they are studied and management plans are adopted, the sooner the natural drainage system and resources can be utilized for their natural benefits. Although flood damage reduction, water quality, natural resource protection and floodplain mapping requires funding, we will continue to guide stakeholder planning committees to create acceptable plans while seeking funding to put these projects in the ground.

MILESTONES TO DATE:

FISH LAKE DRAIN WATERSHED MANAGEMENT PLAN: DRAFT FLOODPLAIN MAPS, STAKEHOLDER PLANNING COMMITTEE, MISSION STATEMENT

SQUAW WATERSHED MANAGEMENT PLAN: DRAFT PLAN AND FLOODPLAIN MAPS UNDER REVIEW

SEQUOIT CREEK WATERSHED MANAGEMENT PLAN: DRAFT PLAN AND FLOODPLAIN MAPS UNDER REVIEW

PROVIDED PROJECT LEADERSHIP AND IN-KIND SERVICES TO THE **DES PLAINES PHASE II WATERSHED MANAGEMENT PLAN** SCOPE OF SERVICES DEVELOPMENT, AND COMMUNICATIONS, ECOSYSTEM, HYDROLOGIC & HYDRAULIC AND PLAN FORMULATION SUBCOMMITTEES

INDIAN CREEK WATERSHED MANAGEMENT PLAN: WATERSHED PLANNING COMMITTEE, GOALS AND OBJECTIVES AND MISSION STATEMENT. DRAFT PLAN IN EARLY 2003

PROVIDED FUNDING AND TECHNICAL ASSISTANCE TO THE **BULL CREEK** STAKEHOLDERS ASSOCIATION FOR A STREAM RESTORATION PROJECT, AND RIPARIAN LANDOWNERS WORKSHOP

BEGAN A WATERSHED SIGNAGE PROGRAM WITH THE LAKE COUNTY DEPARTMENT OF TRANSPORTATION. NEW SIGNS INSTALLED IN THE SEQUOIT, SQUAW CREEK, INDIAN CREEK AND FISH LAKE DRAIN WATERSHEDS

COORDINATED A WATERSHED TOUR FOR **UPPER DES PLAINES WATERSHED** STAKEHOLDERS

NORTH BRANCH OPEN SPACE PLAN: GOALS AND OBJECTIVES AND PRIORITIZATION CRITERIA, COMPLETED OPEN SPACE INVENTORY

We doubled your money

LEVERAGING TAX DOLLARS AND EXPERTISE

We operated on a \$2.3 million budget and acquired \$3.2 million in grants to execute specific projects throughout the county. Since our inception, we have been committed to researching, acquiring and utilizing alternate funding sources to implement much-needed programs and projects. We have done this by using staff expertise to leverage cost-sharing funds, which is great for the taxpayers of Lake County.

FY'02 Operating Budget \$2,074,183

\$2,919,500 in grants and cost-share monies

\$3,220,595 in SMC cash and in-kind leveraged

\$22,096,754 in cost-share projects

\$1 : \$6.90

For every \$1 of SMC cash and in-kind,
we leveraged \$6.90 worth of projects

FY'03 Operating Budget \$2,052,662

GRANTS AND COST-SHARE FUNDING ACQUIRED AND LEVERAGED IN 2002

\$500,000 IN CONGRESSIONAL APPROPRIATIONS THROUGH USEPA FOR 8 WATERSHED RESTORATION PROJECTS IN THE DES PLAINES WATERSHED

\$400,000 IN CONGRESSIONAL APPROPRIATIONS FOR THE DES PLAINES PHASE II WATERSHED MANAGEMENT PLAN IN PARTNERSHIP WITH ILLINOIS DEPARTMENT OF NATURAL RESOURCES (IDNR), CORPS OF ENGINEERS, COOK CO. & LAKE CO. IL, KENOSHA CO, WI

AN ADDITIONAL **\$390,000** FROM THE ILLINOIS EMERGENCY MANAGEMENT AGENCY FOR ADDITION FLOODPLAIN BUYOUTS IN THE WILLIAMS PARK SUBDIVISION.
TOTAL GRANT FUNDS FOR THIS PHASED PROJECT IS \$3.15 MILLION

\$1.146 MILLION GRANT FROM IDNR FOR FLOODPLAIN BUYOUTS COUNTYWIDE

\$19,500 FROM VILLAGE OF GURNEE FOR FLOODPLAIN BUYOUTS

\$10,000 FROM IDNR FOR THE NORTH BRANCH OF THE CHICAGO RIVER OPEN SPACE PLAN

\$209,000 FROM COUNTY OF LAKE'S CAPITAL IMPROVEMENT PROJECT FUND (CIP) FOR DEAD RIVER/LAKE MICHIGAN WATERSHED STREAM RESTORATION AND A SITE SPECIFIC MITIGATION PLAN

\$418,500 TOTAL FOR A FLOOD DAMAGE REDUCTION PROJECT IN THE DEL MAR WOODS SUBDIVISION.
\$101,000 SMC FUNDS, \$107,000 CIP, \$210,000 ILLINOIS FIRST GRANT

\$120,000 IN WATERSHED MANAGEMENT BOARD COST-SHARE GRANTS FUNDED 8 PROJECTS WORTH \$230,000

\$107,000 TOTAL FOR MAPLE PARK STREAM DRAINAGE IMPROVEMENTS TO SYLVAN LAKE:
\$64,000 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, \$43,000 FREMONT TOWNSHIP

SMC STAFF IS PROVIDING PROJECT MANAGEMENT AND ADMINISTRATION FOR THE GRANTS, AND IN-KIND CONTRIBUTIONS TOWARDS PROJECTS.

We have multiple partners at the state and national levels

MULTI-OBJECTIVE, MULTI-JURISDICTIONAL

In a national economic environment defined by reductions, we continued to increase our presence and services in 2002 by working creatively with other local, state and federal governmental agencies and groups. By packaging projects, we were able to split the funding requirements while reaping the benefits of multi-objective, multi-jurisdictional projects that otherwise would not have been economically feasible. At the same time we provide technical assistance, project administration and in some cases, cost-share funding for projects relating to drainage, flood mitigation, ecosystem restoration and water quality.

The list below shows the depth and breadth of these relationships.

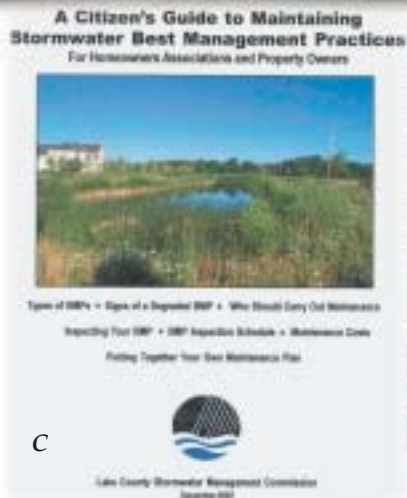
COUNTY OF LAKE
52 MUNICIPALITIES
18 TOWNSHIPS
8 DRAINAGE DISTRICTS
RESIDENTS OF LAKE COUNTY
U.S. ARMY CORPS OF ENGINEERS - CHICAGO DISTRICT
FEDERAL EMERGENCY MANAGEMENT AGENCY
ILLINOIS EMERGENCY MANAGEMENT AGENCY
DES PLAINES PHASE II PROJECT DELIVERY TEAM
FRIENDS OF THE CHICAGO RIVER
UPPER DES PLAINES ECOSYSTEM PARTNERSHIP
NORTH BRANCH OF THE CHICAGO RIVER ECOSYSTEM PARTNERSHIP
BULL CREEK STAKEHOLDERS ASSOCIATION
ILLINOIS DEPARTMENT OF WATER RESOURCES
U.S. CONGRESS
STATE OF ILLINOIS
LAKE COUNTY SOIL AND WATER CONSERVATION DISTRICT
INDIAN CREEK WATERSHED PROJECT
LAKE COUNTY FOREST PRESERVE DISTRICT
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE
U.S. GEOLOGICAL SURVEY
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
COOK COUNTY, IL AND KENOSHA COUNTY, WI
SYLVAN LAKE PROPERTY OWNERS ASSOCIATION
LAKE COUNTY HEALTH DEPARTMENT, LAKES MANAGEMENT UNIT
NORTHEASTERN ILLINOIS PLANNING COMMISSION
FOX RIVER ECOSYSTEM PARTNERSHIP
LIBERTY PRAIRIE
CHICAGO WILDERNESS



A



B



C



D



E



F

- A) The 1st house this year to be acquired and demolished as part of the countywide floodplain buyout project. B) A citizen's guide to riparian area management was updated this year and is free to download on our website. C) A new guide for homeowners associations and property owners is now available on maintaining stormwater facilities like ponds and swales. D) Resident Harry Kirchartt sought advice from a flood control vendor during Flood Awareness Week's floodproofing workshop. E) Countryside Lake children learned about micro-invertebrates from watershed engineer, Jason Obergfell, this summer. F) Volunteers from the Lake County Habitat for Humanity salvage building materials from our floodplain buyout homes for resale at Habitat's store.

NO. 7

We returned floodplain

COUNTYWIDE BUYOUTS

We even had a receipt. Our flood hazard mitigation efforts continued with the acquisition of 15 homes in the Williams Park Subdivision. We received additional buyout funding from the Illinois Department of Water Resources for countywide buyouts. Since 1997 more than 50 homes have been purchased to return the floodplain to its original state – natural flood storage and open space. We also moved strategically to other repetitive flood damage areas throughout the county. The cities of North Chicago and Waukegan are on board to cost-share on site-specific flood damage mitigation plans.

BEGAN THE PROCESS OF UPDATING OUR 1996 DATABASE AND MAPS OF FLOOD PROBLEM AREAS THROUGHOUT THE COUNTY. PRIORITIZING MITIGATION ACTIVITIES IS THE GOAL

COORDINATED THE NORTH BRANCH OF THE CHICAGO RIVER FLOOD DAMAGED REDUCTION COMMITTEE (FDRC). THE FDRC WAS INITIATED AFTER THE 2001 FLOODING IN THE WATERSHED. SIX SMALLER WORKING GROUP MEETINGS WERE HELD TO STUDY THE POTENTIAL FOR FLOOD STORAGE ON 6 SPECIFIC SITES

NO. 8

We were used

FROM GAGES TO THE WEB

We were happy to be used to an even greater extent in 2002. Our rain gage network grew this year by three additional gages cost-shared by Lake County Public Works and the Villages of Antioch and Lindenhurst. The gage network now totals 14 and data from each is available on our web site. Speaking of our web site, it was redesigned in 2002 to provide better access and organization. The result was increased awareness and use. The site, which is constantly monitored and updated, is now one of the more information-heavy sites on the County's Web site.

Use us. That's why we are here.

INSTALLED AN ADDITIONAL THREE RAIN GAGES WITH DATA
ACCESSIBLE THROUGH OUR WEB SITE

PROVIDED TECHNICAL ASSISTANCE TO THE LAKE COUNTY
DEPARTMENT MAP SERVICES & GIS ON ITS PERMIT SCREENER
SOFTWARE. LAYERS OF DATA, LIKE "FLOOD OF RECORD"
INFORMATION, WILL BE AVAILABLE FOR REVIEWING PERMITS AND
MAKING FLOODPLAIN DETERMINATIONS, AND WILL BE USED FOR
WATERSHED PLANNING PROJECTS

PARTNERED WITH THE LAKE COUNTY DEPARTMENT OF MANAGEMENT
SERVICES TO REFORMAT OUR WEB SITE FOR EASIER USE

MADE UPDATED TOPOGRAPHY AVAILABLE FOR VIEWING AND
PURCHASE THROUGH OUR WEB SITE

MADE AVAILABLE NUMEROUS PUBLICATIONS ON OUR WEB SITE
FOR FREE DOWNLOADING

We expanded our services and our presence

STAFF ADDITIONS AND OUTREACH

We are defined by our service and expertise. Our permit review capabilities were updated and enhanced by acquiring the latest in watershed modeling software. Our permit staff now is better able to review incoming permits. Our in-house technical expertise increased as 12 staff members passed a demanding national and state test to become Certified Floodplain Managers (CFM). We now have more CFMs than any agency or firm in the state. We also maintained our leadership position by writing technical papers and appearing as guest speakers at conferences and workshops throughout the state and nation. By sharing our experiences and expertise, we stay focused, innovative and a leader in our field.

EXPANDED OUR CUSTOMER SERVICE EFFICIENCY BY ADDING AN
ADMINISTRATIVE ASSISTANT

UPDATED SOFTWARE TO BE COMPATIBLE WITH INCOMING PERMIT
APPLICATION INFORMATION

12 STAFF ARE NOW NATIONALLY CERTIFIED AS
CERTIFIED FLOODPLAIN MANAGERS

PRESENTED AT 14 STATE AND NATIONAL CONFERENCES AND WORKSHOPS

ASSISTING WITH THE STORMWATER SECTION TO COUNTY OF LAKE'S
"COUNTY FRAMEWORK PLAN UPDATE"

FY'03 MAJOR PROJECTS

NPDES II COUNTYWIDE APPROACH COORDINATION
LAKE COUNTY FARM BUREAU COORDINATION AND WORKSHOP
WATERSHED MANAGEMENT PLANNING: DES PLAINES PHASE II, INDIAN CREEK, BULL CREEK,
KELLOGG CREEK/DEAD RIVER, SEQUOIT, SQUAW, FISH LAKE DRAIN, INDIAN CREEK WATERSHED
NORTH BRANCH FLOOD REDUCTION COMMITTEE PROJECTS
NORTH BRANCH OPEN SPACE PLAN
ECOLOGICAL RESTORATION PROJECTS IN THE DES PLAINES WATERSHED
DEL MAR WOODS EXTERNAL DRAINAGE PROJECT
NEWPORT DRAINAGE DITCH WATERSHED PLAN
WMB PROJECT COORDINATION AND TECHNICAL ASSISTANCE
TECHNICAL REFERENCE MANUAL
WETLAND BANK PARTNERSHIP AND PROJECT DEVELOPMENT
SOIL EROSION SEDIMENT CONTROL TRAINING
ALL HAZARDS PLAN DEVELOPMENT FACILITATION
BMP MAINTENANCE WORKSHOP
SITE-SPECIFIC FLOOD HAZARD MITIGATION PLANS
FLOODPLAIN BUYOUT PROGRAM

Many thanks to the NPDES II Ad Hoc Municipal Advisory Committee (MAC):

John Boldt, Clark Dietz, Inc.
Representing Fox Lake, Park City

Steve Bicking, Smith Engineering Consultants, Inc.
Ralph Stark, Alternate
Representing Fox River Valley Gardens

Bill Blecke, Baxter & Woodman Consultants, Inc
Kevin Sutherland, Alternate
Representing Barrington, Grayslake, Island Lake,
Lakemoor, Lake Barrington, North Barrington and
Round Lake

Dave Brown, Village Engineer
Village of Vernon Hills

Al Giertych, Director of Maintenance
Lake County Division of Transportation

Jennifer Hughes, Village Engineer
Village of Lincolnshire

Ed Lebbos, Asst. Village Administrator
Village of Lake Zurich

John Reindl, Village Administrator
Village of Lake Barrington

George Russell, Village Engineer
Village of Lake Bluff

Pat Sheeran, Department of Public Works
Village of Libertyville

Jim Stevens, Village Administrator
Village of Lindenhurst

Kent Street, Village Administrator
Village of Lake Bluff

Yamin Yamin, James Anderson Company
Representing East Skokie Drainage District,
Union Drainage District, West Skokie Drainage
District and Village of Old Mill Creek

Dave Ziegler, Village Engineer
Village of Gurnee

Front Cover photos (clockwise): Staff confirms the size and location of a culvert in the Mill Creek sub-watershed as part of a hydrologic and hydraulic model for the watershed; members of the Indian Creek Watershed Project dedicated a new watershed sign as part of SMC/LCDOT's signage program; the 14th home to be acquired and demolished in the Williams Park Subdivision Phase II floodplain buyout project; the Sturm Subdivision 5-year wetland monitoring program came to an end this year.

Lake County Stormwater Management Commission
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Libertyville, Illinois 60048
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www.co.lake.il.us/smc

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